

PFP Recovery Update – February 2, 2018

Updated 12:00 p.m. PST

Updates since February 1, 2018 highlighted

Next update will be February 5, 2018

The focus at PFP is on the health and safety of the workforce, addressing worker concerns, ensuring PFP remaining facility debris and rubble piles are stable, and mitigating the potential for any additional spread of contamination. CHPRC is not authorized to conduct any demolition work at PFP until DOE has been briefed and approves the recovery plan.

Plant Status

System/Area	Status
PFP Workforce	• No safety events since last report.
PRF Area	• Area remains stable since last report.
PFP Property Area	• No weekend work is scheduled except routine radiological surveys.

Radiological Surveys, Sampling and Analysis

On-Site and Environmental:

Cookie Sheets (67 total)		
	Feb. 2 Day Shift	Feb. 1 Swing Shift
Number Surveyed	No dayshift surveys scheduled.	67
Number Clean*		67
Number Contaminated (Note location and level)		0
*Clean = direct contamination < 500 dpm/100cm² and removable contamination < 20 dpm/100cm² (or < 100 dpm/100cm² in a posted CA or HCA)		

- **Continuous Air Monitor** Readings (15 total): All CAMs reading <1 DAC-hr as of 9:20 a.m. PST Feb. 2.
- **Samplers** (22 total): Air samples exchanged with no indication of radioactivity other than radon as of 11:00 p.m. PST Feb. 1.

Bioassays: The table below provides an initial summary of bioassay results following the spread of contamination in December. The data is current as of Jan. 31 at 4:22 p.m. This information will be updated as more results are received. Individual employees are briefed on their bioassay results as soon as the results are available.

Requested	273
Negative	115
Initial Positive	1
Less than 1 mrem: 0	
1-10 mrem: 0	
10-20 mrem: 1	
Positive with Verified Dose	1
Less than 1 mrem: 1	
1-10 mrem: 0	
10-20 mrem: 0	

- Doses are the expected dose over 50 years.

- DOE dose limit is 100 mrem/year for non-rad workers and the public onsite (DOE O 458.1). The Hanford limit for rad workers is 500 mrem/year.

External:

- **Air Sampling:** On Jan. 30, DOE-RL received a letter from the State of Washington Department of Health expressing concern about contamination spreads during demolition activities. DOE-RL distributed an all-Site employee message regarding this letter and provided clarification that the contamination detected at monitoring stations in the K Area occurred in early 2017 instead of late 2017 as had been originally stated. The letter and all-Site employee message are available on Hanford.gov.
- **Government Vehicle Radiological Surveys:**
 - Surveys of PFP-controlled government vehicles were completed Jan. 23. Decontamination and dispositioning of 27 contaminated vehicles is ongoing. Those vehicles remain in a posted contamination area.

	Total
PFP-Controlled government vehicles surveyed	97
Decontaminated and returned to service	2
Contaminated and awaiting disposition (held as radiologically-controlled vehicles or decontaminated)	27
No contamination found and returned to service	68

- **Personal Vehicle Radiological Surveys:**
 - On Feb. 1, a commercial delivery driver contacted DOH to request a survey of his delivery truck as he stated he routinely makes deliveries on the Hanford Site. Working collaboratively with DOH, DOE-RL is following up to determine the times the commercial vehicle has been on site and a time which is convenient for them to have the vehicle surveyed. There is no reason to suspect this vehicle is contaminated; however, CHPRC will honor all requests for surveys.
 - Seven personal vehicles identified with contamination at COB Dec. 19 were decontaminated and released as of 3:30 p.m. PST on Tuesday, Dec. 26.
 - On Jan. 31, crews completed a follow-up survey of one of these vehicles, a rental car, that was on the Hanford Site in December and was decontaminated and released. No contamination was detected during the Jan. 31 follow-up survey. On Feb. 1, DOE-RL distributed an all-Site message regarding the survey results.
 - After one of the seven vehicles previously decontaminated and left near the demolition area by its owner was re-surveyed, and contamination found on Friday, Jan. 26, the other six owners were contacted. No contamination was detected on two of the vehicles that were returned to the Hanford Site for surveying. Three vehicles belong to employees who declined to have their cars re-surveyed.
 - On Jan. 30, crews completed surveying parking/storage locations associated with the personal vehicle found contaminated Jan. 26. No contamination was detected at the parking/storage locations: near MO-287 (office trailer outside the PFP work control zone), in

2711-E (a garage in the 200 East Area with a lift for survey of the undercarriage), 6681-D (a maintenance building at the Environmental Restoration Storage Facility for additional surveys), and a radiological material area inside the PFP work control zone (after contamination was detected).

- **Home Surveys:** There have been no new requests for home surveys. All requested home surveys (seven total) were completed (Dec. 20) with no contamination found.

Future Actions

- Daily contamination surveys will be conducted.
- Air samplers will continue to be monitored.
- Application of fixative and soil will occur as weather allows

Workforce Management

- The workforce remains committed to the current mission of hazard recognition and control despite the challenging situation.

Communications

- On Feb. 2, Tom Teynor, PFP DOE-RL Federal Project Director, and Kelly Wooley, CHPRC PFP Closure Vice President, provided an overview briefing to Hanford Communities, a group of Tri-Cities elected leaders. They appreciated the briefing, acknowledged the difficulties and progress at PFP, and recognized the loss of trust as a result of recent events.